

## EC - Safety Data Sheet

### ALU-STOP LC.. Boron-Nitride-Coating

Date:

Page: 1/5

#### 1 Identification of the substance/preparation

1.1 Identification of substance or preparation **ALU-STOP LC .. Boron-Nitride-Coating**  
[LC25, LC15, LC10, LC5]

1.2 Company/undertaking identification

1.3 Emergency telephone number

#### 2 Composition/information on ingredients

##### 2.1 Chemical characterization (preparation)

No.	Substance	CAS REG NR.	EINECS NR.	Mass-%
1	Boron nitride	10043-11-5	233-136-5	3 - 20
2	Aluminium oxide	1344-28-1	215-691-6	2 - 5
3	Water	7732-18-5	231-791-2	75 - 95
4	Nitric acid	7697-37-2	231-714-2	0,7 - 0,8

#### 3 Hazards information

3.1 Critical hazards to man and environment **Not applicable.**

#### 4 First-aid measures

- 4.1 General information: **The acidity of this product may cause irritation to skin and damages to eyes with continued exposure.**
- 4.2 Inhalation: **Remove person to refresh air and seek medical attention.**
- 4.3 Eye contact: **Flush eyes with large quantities of water for at least 15 minutes and seek medical attention**
- 4.4 Skin contact: **Wash contaminated areas thoroughly with soap and water. Seek medical attention if irritation persists.**
- 4.5 Ingestion **Give fluids in large quantity and seek prompt medical attention. Never give anything by mouth to an unconscious person.**

## EC - Safety Data Sheet

### ALU-STOP LC.. Boron-Nitride-Coating

Date:

Page: 2/5

#### 5 Fire-fighting measures

- |     |  |  |
|-----|--|--|
| 5.1 | General information:   | Product is not flammable. Co-ordinate fire-fighting measures regarding the surrounding fire.       |
| 5.2 | Suitable extinguishing media:  | Use extinguishing media suitable for surrounding fire.   |
| 5.3 | Extinguishing media which must not be used for safety reason:  | Do not use extinguishing media unsuitable for surrounding fire.                                    |
| 5.4 | Special exposure hazards arising from the substance of preparation itself, combustion products or resulting gases: | Not applicable.  |
| 5.5 | Special protective equipment for fire-fighters:  | As in any fire, wear self-contained, pressure-demand breathing apparatus and full protective gear. |

#### 6 Accidental release measures

- |     |                           |  |
|-----|---------------------------|--|
| 6.1 | Personal protection:      | Observe protection measures from other sections.   |
| 6.2 | Environmental protection: | Not required.  |
| 6.3 | Methods for cleaning up:  | Clean up mechanically, perhaps by using liquid-absorbing material and store in a closed container. Remove residues with water. |

#### 7 Handling and storage

- |     |                      |  |
|-----|----------------------|--|
| 7.1 | General information: | No special precaution  |
| 7.2 | Handling:            | No special fire- and explosion precaution measures required                        |
| 7.3 | Storage:             | Store product in original container. Keep container closed and shelter from frost. |

#### 8 Exposure controls/personal protection

- |       |  |  |
|-------|--|--|
| 8.1   | Additional information for system design:    | Use appropriate local exhaust ventilation to control airborne levels which may be generated by spraying this product.  |
| 8.2   | Components with specific control parameters: | Not applicable.  |
| 8.3   | Personal protection:                         | General protection and hygiene measures:<br>Avoid contact with skin and eyes. Take off immediately contaminated clothing. Observe usual precaution measures when handling chemicals. |
| 8.3.1 | Respiratory protection:                      | Not required.  |
| 8.3.2 | Hand protection:                             | Protective gloves.   |
| 8.3.3 | Eye protection:                              | Safety goggles.  |
| 8.3.4 | Skin protection:                             | Not required.  |

## EC - Safety Data Sheet

### ALU-STOP LC.. Boron-Nitride-Coating

Date:

Page: 3/5

#### 9 Physical and chemical properties

9.1	Appearance:	liquid, paste
9.2	Colour:	white
9.3	Odour:	odourless
9.4	Boiling point/boiling range:	100 °C
9.5	Melting point/melting range:	0 °C
9.6	Flash point:	N/A
9.7	Flammability (solid/gas):	N/A
9.8	Explosive properties:	N/A
9.9	Oxidizing properties:	N/A
9.10	Vapour pressure:	N/D
9.11	Relative density (water = 1):	1,05 - 1,15
9.12	Solubility:	
9.12.1	Water soluble:	dilutable
9.12.2	Fat solubility:	
9.13	Partition coefficient n-octanol/water: pH:	2,5 - 3,5
9.14	Other data:	

#### 10 Stability and reactivity

10.1	General information:	There are no known hazardous decomposition products for this material.
10.2	Conditions to avoid:	None known.
10.3	Materials to avoid:	None known.
10.4	Hazardous decomposition products:	There are no known hazardous decomposition products for this material.
10.5	Hazardous polymerisation:	Product will not undergo polymerisation.

#### 11 Toxicological information

11.1	General information:	According to our present state of knowledge there are no known damages to expect when used appropriately.
11.2	Acute toxicity:	Toxicological data of this product, especially LD <sub>50</sub> -data are not available. Boron nitride and aluminium oxide are considered as non-toxic substance.

## EC - Safety Data Sheet

### ALU-STOP LC.. Boron-Nitride-Coating

Date:

Page: 4/5

#### 12 Ecological information

No applicable data available. The solids of this preparation (boron nitride and aluminium oxide) are insoluble in water and may be separated by sedimentation. No ecological problems will be expected from appropriate use.

#### 13 Disposal considerations

May be disposed of in a landfill according to local, state and federal regulations after chemical-physical pre-treatment, if need consider contamination by usage.

#### 14 Transport information

Label: Not required.

#### 15 Regulatory information

##### 15.1 General information

According to data available to us this product is a non-hazardous preparation. However, the usual precaution measures should be observed when handling chemicals. This product is determined for industrial use and comperable applications (e.g. research and development) only. It is not intended for food, drug or houeshold use.

##### 15.2 Labelling according to EC-directives

15.2.1 Indication of danger of the product: -

15.2.2 Risk statement EC/R: -

15.2.3 Safety statement EC/S: -

##### 15.3 National regulation

## EC - Safety Data Sheet

### ALU-STOP LC.. Boron-Nitride-Coating

Date:

Page: 5/5

#### 16 Other information

N/A = not applicable, N/D = not determined

This EC safety data sheet serves only as a description of this product with regard to safety requirements and means no guarantee of properties of the described product. We believe that such information is accurate and reliable as of the date of this safety data sheet; but no representation, guarantee of warranty, express or implied, is made. We urge persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application. We further urge purchasers to determine suitability of this product for their application prior to use by making their own tests, also with regard to possible applicational influences. The conditions of methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way with the handling, storage, use and disposal of the product.